ImmunoLogic
Providing Solutions...

BrightVision Ultimate Plus

Application:
BrightVision Ultimate Plus Immuno-histostaining reagents utilize a novel controlled polymerisation technology to prepare polymeric HRP-linker antibody conjugates. Comparing to conventional biotin-streptavidin based detection kits, BrightVision Ultimate Immuno-histostaining reagents have the advantages of higher amplification power, biotin free and more consistent immunostaining outcomes on archival tissues and on difficult-to-work antibodies. (ref-1). These advantages would bring to laboratories the benefit of more accurate result, faster turn-around, less trouble shooting and better costs-saving.
The polymer complex will be visualized with the Bright DAB appropriate substrate/chromogen.

Kit Components: Post-antibody blocking (ready-to-use)
Poly-HRP-Anti-mouse/rabbit/rat IgG (ready-to-use)
Bright DAB (substrate + chromogen)

Availability

Catalog No.	Contents	Volume
UBVB999HRP	Post-antibody blocking (ready-to-use)	1000 ml
	Poly-HRP-Anti-mouse/rabbit/rat IgG (ready-to-use)	1000 ml
	DAB Solution A: Ready-to-use Buffered	1500 ml
	DAB Solution B: Concentrated DAB Solution	67 ml
UBVB500HRP	Post-antibody blocking (ready-to-use)	500 ml
	Poly-HRP-Anti-mouse/rabbit/rat IgG (ready-to-use)	500 ml
	DAB Solution A: Ready-to-use Buffered	750 ml
	DAB Solution B: Concentrated DAB Solution	33 ml
UBVB110HRP	Post-antibody blocking (ready-to-use)	110 ml
	Poly-HRP-Anti-mouse/rabbit/rat IgG (ready-to-use)	110 ml
	DAB Solution A: Ready-to-use Buffered	165 ml
	DAB Solution B: Concentrated DAB Solution	7,5 ml

Species of origin: Goat

Antigen Specificity: Anti-Mouse IgG (H+L), Anti-Rabbit IgG (H+L), Anti Rat IgG (H+L)

Enzyme Conjugate: Peroxidase

Chromogen: DAB

Recommended Staining Protocol (kit components in bold):
1. Deparaffinize and rehydrate tissue section.
2. To reduce non-specific background staining due to endogenous peroxidase, incubate slide in hydrogen peroxide for 10-15 minutes.
3. Wash 2 times in PBS or TBS wash buffer.
4. If required, incubate tissue in digestive enzyme (or appropriate pre-treatment).
5. Wash 2 times in PBS or TBS wash buffer.
6. (Optional) Apply Pre-antibody Blocking Solution (NGS) and incubate for 5 minutes at room temperature to block non-specific background staining. See Note A recommendations.
7. Wash 2 times in PBS or TBS wash buffer.
8. Apply primary mouse or rabbit antibody and incubate according to manufacturer's protocol.
9. Wash 2 times in PBS or TBS wash buffer.
10. Apply **Post-antibody Blocking** and incubate for 15 minutes at room temperature.
11. Wash 2 times in PBS or TBS wash buffer.
12. Apply **Poly-HRP-Goat anti Mouse/Rabbit IgG,** and incubate for 30 minutes at room temperature.
13. Wash 2 times in PBS or TBS wash buffer.
14. Apply **DAB Solution** and incubate for 8 minutes at room temperature. See Note B recommendations.
15. Wash in Aquadest.
16. Counterstain and coverslip.

Note A: Pre-antibody blocking is optional and can be omitted if primary antibodies are diluted in buffers containing 2-10% normal goat serum.
In case pre-antibody blocking is used ,do not exceed 10 minutes or there may be a reduction in desired stain.

Note B: **Preparation DAB**: one drop DAB Solution B (±40µl) to 1 ml substrate Solution A , mix well.
Volume and the quality of the Bright DAB has been formulized so they also can be used in automatic stainers, when a higher volume is required.
Bright DAB is a suspected carcinogen. Do not pipet by mouth. Avoid contact with skin and eyes. Bright DAB can be deactivated with equal parts of Clorox.

Reference:

1) Shan-Rong Shi,James Guo,Richard J.cote,Lillian Young, Debra Hawes, Yan Shi, Sandra Thu and Clive R.Taylor, Applied Immunohistochemistry & Molecular Morphology, vol 7,201-208,1999.

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	Consult Instructions for use		2-8 °C		